

SWD模式-SWDIO
SWD模式-SWDCLK

3V3

1 2
3 4
5 6
7 8
9 10
11 12
13 14
15 16
17 18
19 20

J5

GND

The diagram shows a 3x2 pin header labeled J1. It has six pins arranged in two columns. The left column has pins 1, 3, and 5 from top to bottom. The right column has pins 2, 4, and 6 from top to bottom. On the left side, pin 1 is connected to 5V, pin 3 to 3V3, and pin 5 to GND. On the right side, pin 2 is connected to 5V, pin 4 to 3V3, and pin 6 to GND.

STM32F103C8T6

UART: 3个

STM32F103C8T6
CPU 频率: 72MHz
RAM: 20K FLASH: 64K
封装: LQFP48
通用I/O: 32 USART: 3个
SPI: 2个 USB: 1个
CAN: 1个 IIC: 2个
12位同步ADC: 2组 10通道
工作电压: 2.0至3.6V

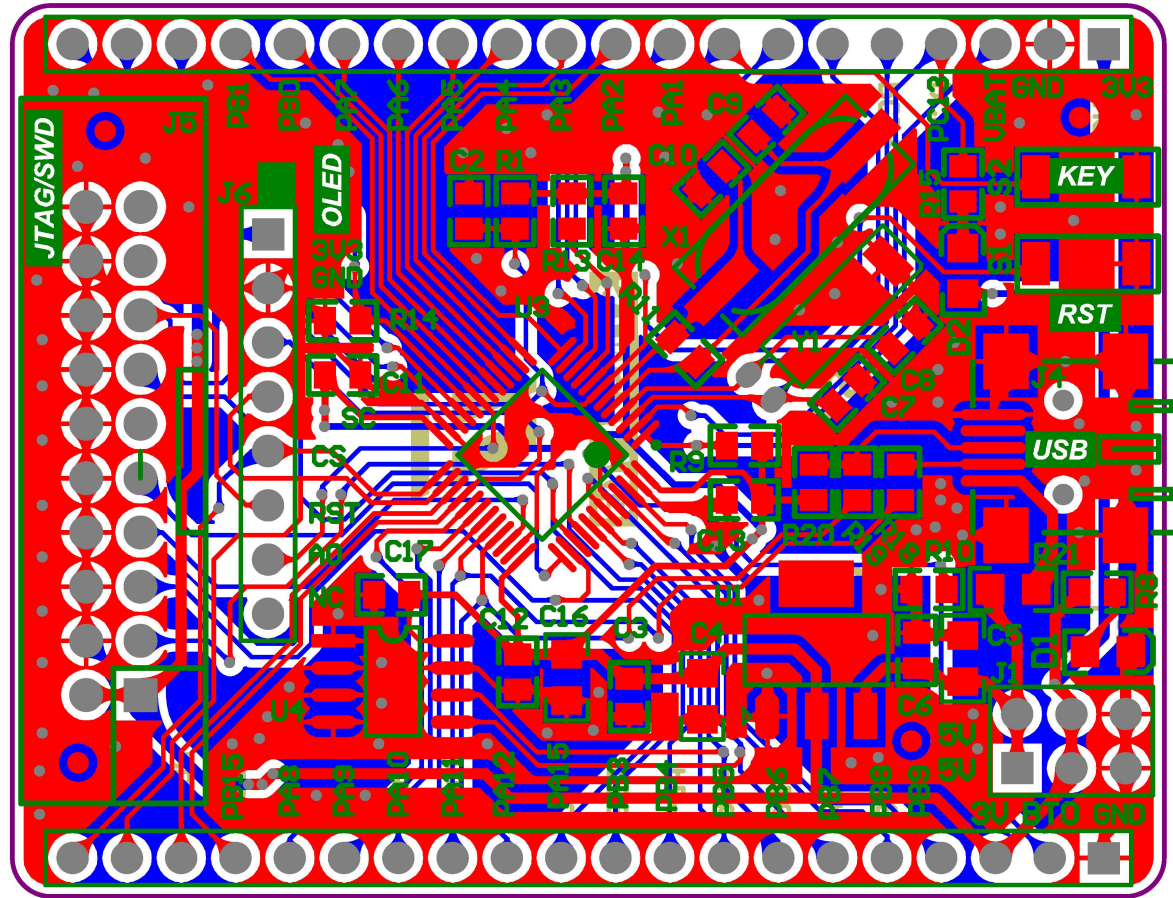
The diagram shows a parallel RC network. Five capacitors, labeled C11, C12, C13, C14, and C15, are connected in parallel. Each capacitor has a value of 104. The top terminals of all capacitors are connected to a common rail labeled 3V3. The bottom terminals of all capacitors are connected to a common rail labeled GND.

Diagram illustrating the pin configuration for the J3 header:

- Pin 1: GND
- Pin 2: BOOT0 (3V3, 启动ICP模式设置)
- Pin 3: PB9
- Pin 4: PB8
- Pin 5: PB7
- Pin 6: PB6
- Pin 7: PB5
- Pin 8: IRS1/PB4
- Pin 9: TDO/PB3
- Pin 10: TDI/PA15
- Pin 11: PA12
- Pin 12: PA11
- Pin 13: PA10
- Pin 14: PA9
- Pin 15: PA8
- Pin 16: PB15
- Pin 17: PB14
- Pin 18: PB13
- Pin 19: PB12
- Pin 20: Header 20

Title		
Size	Number	Revision
A3		
Date:	2014-11-24	Sheet of

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Comment	Description	Designator	Footprint	LibRef	Quantity
104	Capacitor	C2, C3, C6, C11, C12, C13, C14, C17	RC0603	天猫店铺网址： https://telesky.tmall.com CAP1, Cap, CAP, CAP1, CAP1, CAP1, CAP1, Cap	8
10uF	Capacitor, [NoValue]	C4, C5	RC0805	CAPACITOR POL, ELECTRO2	2
15P		C7, C8	RC0603	CAP	2
22pF	Capacitor	C9, C10	RC0603	CAP1	2
106	Capacitor	C16	RC0805	CAP1	1
LED0	Typical INFRARED GaAs LED	D1, D2	LED0805	LED0	2
Header 3X2	Header, 3-Pin, Dual row	J1	IDE3X2-2.54	Header 3X2	1
Header 20	Header, 20-Pin	J2, J3	HDR1X20	Header 20	2
Mini-USB	Header, 5-Pin	J4	mini_USB	Header 5	1
	Header, 10-Pin, Dual row, Right Angle	J5	JTAG20P	Header 10X2H	1
TFT	Header, 8-Pin	J6	HDR1X8	Header 8	1
10K		R1, R10, R14	RC0603	R	3
510R		R8, R15	RC0603	R	2
0R		R9, R13	RC0603	R	2
1M		R11	RC0603	R	1
22R	Resistor	R18, R19	RC0603	Res2	2
1.5K	Resistor	R20	RC0603	Res2	1
500mA	Resistor	R21	RC0805	Res2	1
SW-SPST	Single-Pole, Single-Throw Switch	S1, S2	SMT-KEY	SW-SPST	2
AMS1117-3.3		U1	SOT223	LT1085CM-3.3	1
STM32F103C8T6		U3	LQFP48	STM32F103C8T6	1
AT24C04		U4	SOIC-8P	EPROM	1
8M	Crystal Oscillator	X1	SMD49S	XTAL_SMD	1
32.768K	晶振	Y1	JZ32768	CRYSTAL 天猫店铺网址： https://telesky.tmall.com	1